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Johnson's
Fall Catalog

Tulips
Hyacinths, Etc.

For Fall and Winter Planting

JOHNSON'S SEED STORE

2158 EAST NINTH ST., CLEVELAND, OHIO

FALL 1921

Johnson's Fall Catalogue of French and Holland-Grown Bulbs

TO OUR CUSTOMERS AND FRIENDS

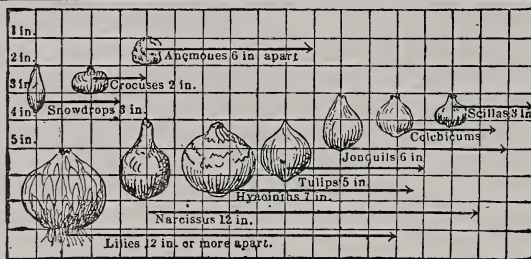
It is with pleasure that we again present to our customers our catalog of choice Dutch Bulbs. The Dutch Bulbs produce some of the showiest and most desirable of our garden flowers at a time when they are doubly welcome after the long months of winter.

Their ease of culture, brilliant colors and delightful fragrance have made them almost indispensable for garden decoration in early spring.

Our name has long stood for that which is best in our line. There are few who can supply as good bulbs as we and no one, no matter what his pretensions may be, is in better position to procure first-class bulbs, true to name and of such excellent quality.

Information, either at our store or by mail is cheerfully given. May we not have a trial order from you if you are not already a customer?

JOHNSON'S SEED STORE



General Planting Table

The majority of bulbs should be planted at a depth of about twice their diameter, as shown in the chart herewith. In planting the choicer varieties a layer of sand beneath the bulbs is especially recommended for Hyacinths and Lilies.

BUSINESS RULES

Over thirty years' experience in growing and selling seeds has given us a thorough knowledge of all the requirements and details of the business, and those who entrust their orders to us may feel every confidence that they will have intelligent and careful attention.

Our local trade is a very important branch of our business and we give it careful attention. We are in a position to furnish practically everything needed in Flowers, Vegetables or Farm Growing.

Our clerks are courteous and know their business—being ready at all times to wait on you satisfactorily and to answer inquiries intelligently and cheerfully.

When making your first annual purchase, be sure to leave your mail address, so we can place our next catalog in your hands promptly.

Gardeners' and Head Farmers' Situations. We frequently have on file the names of practical gardeners and farm managers in want of situations. If parties desiring such will write us we shall be glad to put them in communication with men that we deem suitable. To aid us in making a selection we ask full particulars. We make no charge for this service.

Information Cheerfully Given. We make a specialty of giving, by letter, any information our customers require in Gardening Matters. Do not hesitate to call on us.

We cannot guarantee the well-doing of any seeds, plants or bulbs we send out, having no control over conditions—therefore:

Johnson's Seed Store gives no warranty, express or implied, as to description, purity, productiveness, or any other matter of any seeds, plants or bulbs they send out and they will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms they are at once to be returned.

Yours for best possible service,

Cleveland, Ohio, Aug. 15, 1921.
2158 East Ninth St., near Prospect.

JOHNSON'S SEED STORE.

All prices quoted in this catalogue are subject to change without notice.



Hyacinths

For the Garden.—The soil must have good drainage and be dug to a depth of 12 inches. The bed should slope from the center outward for surface drainage. A good top dressing of ground bone, well dug in, will suffice for the wants of the bulbs and also for the usual bedding plants to follow in such beds the next Spring. Plant the bulbs 6 to 9 inches apart and to a depth, from the crown of the bulb, of about 3 inches in heavy soil and 4 inches in light soil. Protect the beds with 3 to 4 inches of leaves or light litter, gradually removing this in the Spring. It is still better to cover with several inches of well-rotted and light manure, allowing this to remain on the beds in the Spring, this mulch keeping the beds moist and cool, through which the blooming period is considerably lengthened. The bulbs can be planted from October until the ground freezes, but early planting is preferable, as the root-growth has time to develop, enabling the plants to better withstand the Winter's severity, and also contributing to the production of the larger and more perfect flower-spikes.

For Pots, Bowls or Boxes.—Use porous soil thoroughly mixed with well-rotted manure and some sand, not omitting some drainage. A single bulb will require a 5-inch pot. Allow same proportionate space, when planting a number of bulbs in larger pots or window-boxes. Remove any sprouts there may be at the base of the bulbs. Plant the bulbs two-thirds below the surface, water thoroughly and place in a cool, dark but airy situation until the roots are well established, then bring to the light. A temperature of 50 degrees, gradually increased to 60 degrees, will be a factor in securing the finest spikes and brightest colors.

For Glasses.—Use only select bulbs for this purpose. Fill the glasses with clear, soft water, allowing the base of the bulb to barely touch the water. Place in a cool, dark location, letting them remain there until the roots nearly touch the bottom of the glasses; then bring to the light. Replenish the water as it evaporates, or renew it if it becomes offensive. As with pot-grown plants, cool treatment will improve the quality of the blooms and render them more durable.

Named Hyacinths

All Extra Selected
First-Size Bulbs

Single-flowering varieties are principally grown both in indoor and outdoor culture. They force more readily and as a rule, produce larger and finer spikes of flowers than double-flowering varieties. Double Hyacinths are entirely satisfactory for bedding or pot culture, but require a longer season for their development.

DOUBLE HYACINTHS ARE INDICATED BY A STAR (*).

Price of Hyacinth Bulbs, except where noted, 15c each; \$1.60 per doz.; \$11.00 per 100. By Parcel Post, add for postage 2c each; 20c per doz.

Red, Rose and Pink Shades

La Victoire. (Victory). Brilliant dark pink. There is no brighter bedder. When planted outside its color is a brilliant red and the beauty of it is that the red color is plainly visible as soon as the bud appears, which makes a bed of Victoire attractive already, when other varieties show green buds only. When forced, the red color changes to a brilliant dark pink. The medium sized bells are very close together and form a long, heavy and splendidly finished spike.

Etna. Brilliant pink; large bells.

Gertrude. Dark pink; fine for pots.

Gigantea. Blush pink; large head.

Lord Balfour. Beautiful pink; very early.

Moreno. Waxy pink; large bells; very early.

Rosea Maxima. Delicate pink; long loose truss.

Robert Steiger. Deep red; splendid bedder.

***Princess Louise.** Deep red.

***Lord Wellington.** The best double pink; large bells.

***Bouquet Royal.** Salmon rose, dark center.

Miniature Dutch Hyacinths. Spikes larger and later than those of the French sort. Plant six to ten bulbs in pots or pans, according to size of vessel. Also used for outdoor planting. (See page 5.)

French Roman Hyacinths. These are used very extensively for forcing. The flowers, smaller than those of the preceding class, are more freely produced, two or more spikes shooting from a single bulb. Treat same as Dutch Hyacinths, in pots or boxes. The white variety, if planted early and gently forced, will bloom in December. The others are three or four weeks later. A 4-inch pot is large enough for a single bulb. Allow proportionate space when planting in larger boxes or pots. (See page 5.)

Remember that all bulbs sold or offered for sale by Johnson's Seed Store are the best that the best growers in their respective countries of production can produce. We do not handle "seconds" or inferior stock of any kind.

Hyacinths—Extra Selected First-Size—Continued

For prices of all First-Size Hyacinths, see page 3

Pure White and Blush-White

La Grandesse. Snow white; large bells, very shapely truss.

L'Innocence. Pure white.

Madame van der Hoop. Almost pure white; large bells. Medium early.

Baroness van Thuyll. Pure white.

Arentine Arendsen. Snow white.

***Isabella.** Blush white; handsome truss.

***Princess Metternich.** Fine, double, blush white.

Grandeur a Merville. Blush white; large handsome truss.

Blue Shades

Grand Lilas. Dark lilac; splendid for bedding and forcing.

Grand Maitre. Deep lavender blue, shaded a darker blue.

King of the Blues. Rich, dark blue; large flowers. Fine for bedding.

Queen of the Blues. Unexcelled as a light blue.

***Bloksberg.** Late; azure blue, shaded darker blue.

Sir Wm. Mansfield. Mauve. Large, beautiful spike.

General Kohler. Bright blue, extra fine.

Yellow Shades

City of Haarlem. Golden yellow, undoubtedly the grandest variety among the yellows. The color is of the purest golden yellow, and the truss is large and well formed.

Buff Beauty. Buff orange yellow; large bells; enormous truss.

Daylight. Primrose yellow, best in color.

Ida. Early; rich primrose yellow; fine spike.

King of the Yellows. Rich, deep yellow, tall spike; large bells.

Yellow Hammer. Golden yellow; forces easily; fine spike.

***Goethe.** Salmon yellow with pinkish center.

Sunflower. Deep buff yellow.



Hyacinth La Grandesse.

Unnamed Hyacinths for Forcing and Bedding

Colors Separate. Single and Double Varieties

They are well adapted for open ground planting in mixed borders and informal beds, and on account of their low price are also extensively forced for Winter blooming and cutting. Add 1c per bulb or 12c per doz. to prices named below for postage.

	Doz.	100	1000		Doz.	100	1000
Dark Blue	\$0.80	\$6.00	\$55.00	Blush White	\$0.80	\$6.00	\$55.00
Light Blue .....	.80	6.00	55.00	Yellow .....	.80	6.00	55.00
Red and Rose .....	.80	6.00	55.00	Purple .....	.80	6.00	55.00
Light Pink .....	.80	6.00	55.00	All Colors Mixed .....	.80	6.00	55.00
Pure White .....	.80	6.00	55.00				

Standard Size Hyacinths

This grade is the best value offered in Hyacinths; the bulbs being of the same age as First Size but falling just below the required measurements of the latter; hence the important reduction in price.

For outdoor planting in beds and borders, they are preferable to their larger brothers; the flower spikes not being quite so heavy, endure much better the occasional rough winds during spring time.

We recommend the following for size of flower, good resistance against weather and for forcing quality:

Gertrude, Gigantea, Moreno, La Victoire, King of Blues, Queen of Blues, Lady Derby, L'Innocence, Grandeur a Merville, Yellow Hammer, Lord Balfour, Robert Steiger, Arentine Arendsen, Van der Hoop, Grand Maitre. Prices, each, 10c; doz., \$1.00; 100 for \$7.50.

Top Root Exhibition Hyacinths

These are extra large bulbs—about 20 centimeters—and are fully aged for producing mammoth trusses for exhibition and contest purposes. We offer the following varieties in these Mammoth Bulbs: **L'Innocence, Gertrude, Gigantea, Grand Maitre, King of Blues, Queen of Blues, Yellow Hammer, Lord Balfour, La Victoire, Arentine Arendsen.** Each, 20c; doz., \$2.25.

Hyacinth Glasses

We offer two styles of these glasses for growing Hyacinths in water. **Belgian and Tye Shape.** Each Doz.

Belgian. Tall\$0.35 \$3.75
Tye Shape35 3.75



Dutch Hyacinth Planting.

Miniature or Dutch-Roman Hyacinths

These are charming single-flowered varieties that can be used for pots, bowls, boxes, or bedded in the garden. They may also be grown in fiber with good results; plants quite close together.

All at 60c per dozen; \$4.00 per 100; \$35.00 per 1000.

By Parcel Post, add postage at 7c per doz.

Gertude. Clear pink.
Gigantea. Delicate rose.
King of the Blues. Dark blue.
Garibaldi. Glowing carmine, early.
La Grandesse. White.
L'Innocence. Pure white.
Mad. Van der Hoop. Waxy white.
Moreno. Lovely pink.
Queen of the Blues. Azure blue.

Early Flowering French-Roman Hyacinths

Roman Hyacinths are exceedingly popular on account of their earliness, their abundance of sweetly perfumed flowers, and value for decoration in pots, baskets, or vases at seasons when white flowers are scarce.

Mammoth Bulbs. Specially selected. 14 cm. and over. Per doz., \$1.00; per 100, \$7.00.

Grape Hyacinths

Hardy as an Oak. Splendid for Naturalizing. Beautiful little flowers for planting in masses either in shade or sun. Also adapted for growing indoors. Plant six bulbs in a five-inch pot and treat same as Dutch Hyacinths.

	Doz.	100	1000
Improved Blue	\$0.20	\$1.10	\$ 9.00
Snow White	.25	1.20	10.00

Crocus

Large, Selected Bulbs

Crocuses, among the earliest bulbs to flower, are most effective when planted in masses on the lawn, or arranged in three or four rows of one color in the border. They are perfectly hardy, and may be left in the ground for three or four years after planting, without being disturbed. The best method is to scatter the bulbs about the lawn and use an ordinary garden dibble or transplanting trowel, inserting several bulbs in each place. This makes a very pretty effect in early Spring, and the foliage and tops may be safely cut along with the grass when the first mowing is made.

The Giant-flowering varieties are very ornamental when flowered in pots of eight to ten bulbs to a 5-inch size.

	Doz.	100
King of the White	\$0.35	\$2.20
Mont Blanc. Pure white	.35	2.20
Baren von Brunow. Purplish blue	.35	2.20
President Lincoln. Deep purple	.35	2.20
Cloth of Silver. White, silver striped	.35	2.20
Sir Walter Scott. White, striped purple	.35	2.20
Mammoth Yellow	.40	2.50
Cloth of Gold. Golden striped brown	.35	2.20
Kathleen Parlow. Purest white	.40	2.50
Finest Mixed. Extra large	.30	2.00

If Crocus Bulbs are wanted by mail, add 4c per doz. or 20c per 100.

CROCUS SCATTERED ABOUT THE LAWN ARE VERY ATTRACTIVE

Johnson's Grass Seed Mixtures

They are specially arranged to prevent the stronger growing varieties from choking out the finer sorts. The proper "balancing" of mixtures suitable to different conditions is the secret of a smooth turf.

Full descriptions of our different mixtures will be found on the back cover. If you do not find one to conform to your requirements consult us and we will gladly make a special blending.



Crocus Planting.

Johnson's High Grade Tulips

For grand effect as an early flower, the Tulip probably heads the list of bulbous plants. They are so entirely hardy, easily cared for, flower so freely in city or country, sun or shade, and as, with proper selection of varieties, their flowers may be enjoyed from April to June, it naturally follows that they are becoming immensely popular. By planting Scillas, Crocus, Snowdrops, etc., between the bulbs, the same bed or space of ground will provide a beautiful display of these early gems, preceding and in no manner interfering with the Tulips. Named varieties are to be preferred for satisfying results, and as we give the average height and relative blooming season of most of the varieties, selections as to color and season may be readily made. Plant 5 to 6 inches apart and cover one and one-half or twice their depth.

For house culture plant four to six bulbs in a 6-inch pot, and in proportion for the larger sizes of bulb pans, treat as advised for Hyacinths. Good roots and plenty of them, before bringing plants to light and warmth, are essential to success.

The figures after names of varieties indicate the average height in inches to which they grow. Varieties most suitable for forcing are indicated by a star (*). The letter E indicates those that bloom earliest, and L latest.

If Tulips are wanted by Parcel Post, add postage at the rate of 5c per doz., or 30c per 100.

Named Single Early Tulips

	Doz.	100
Artus. 7-L. Brilliant scarlet with clear yellow center. A splendid bedder.....	\$0.50	\$3.50
* Belle Alliance. 8-L. Large, sweet-scented, scarlet flower .....	.60	4.00
Calypso. 11-L. (Improved Primrose Queen.) Bright sulphur yellow. If not forced the flower attains the same pinkish hue as La Reine .....	.50	3.50
Chrysolora. 8-L. Pure golden yellow, splendid bedder .....	.60	4.00
* Cottage Maid. 9-L. Bright pink, splendid for late bedding and for forcing..	.60	4.00
Couleur de Cardinal. 10-L. Brilliant crimson scarlet. A fine variety both for cut flowers and pots .....	.65	4.75
Crimson Brilliant. Brilliant scarlet, large flower; splendid variety for bedding and forcing .....	.50	3.50

	Doz.	100
Crimson King. 8-L. Bright deep crimson, large and showy, easily forced. Good bedder	\$0.50	\$3.50
* Duchesse de Parma. 9-L. Orange red, with yellow margin, very bright.....	.60	4.00
* Fred Moore. Deep orange, fine forcer...	.50	3.50
Keizerkroon. 10-L. Carmine scarlet with broad yellow border .....	.50	3.75
* King of the Yellows. 10-L. Deep golden yellow; one of the earliest yellows; flowers egg-shaped and fine for cutting. Fine for forcing as well as bedding...	.65	4.75
* Lady Boreel. 8-L. Intense white; early forcer .....	.65	4.75
* La Reine Maximus. 11-L. White, slightly shaded rose .....	.65	4.50
L'Immaculee. 8-E. Pure white .....	.60	4.00
Mon Tresor. 7-E. Pure yellow; very large .....	.65	4.75
Pink Beauty. 10-L. Bright cherry rose, center of petals striped white. It has no equal as a bedder, for the stem is strong and the white center of the big, fleshy petals shows up very conspicuously against the broad, vivid rose edges. Does well in pans, but not before March .....	.65	4.75
* Prince of Austria. 10-E. Brilliant copper red. Deliciously scented; tall-stemmed bedder .....	.65	4.75
Princess Helena. Pure white. One of the best white bedders; flowers stand upright .....	.50	4.00
* Proserpine. 10-E. Rich, silky, carmine rose. Extra fine .....	.90	6.50
Prosperity. 8-E. Bright clear pink, very attractive. Good for early forcing....	.65	4.75
Queen of the Netherlands. 14-E. Very delicate blush pink. An excellent bedder .....	.50	3.50
* Rose Gris de Lin. 8-L. Blush white, shaded delicate pink .....	.50	3.50
* Sir Thomas Lipton. 13-A. Brilliant crimson, cup-shaped flowers of large size .....	.65	4.75
Thomas Moore. 10-E. Large orange scarlet; sweet-scented .....	.50	3.50
* Vermilion Brilliant. 10-L. Dazzling vermilion scarlet, with yellow base.....	.65	4.75
White Hawk. 8-L. Intense white.....	.50	3.75
* Yellow Prince. 8-L. Golden yellow; fine bedder .....	.50	3.50



Single Early Tulip—Pink Beauty.

Johnson's Rainbow Mixture

A mixture consisting of named single varieties, blended so as to give an assortment of all possible colors and shades, all of vigorous habit and large size, uniform height and time of blooming. 40c per doz.; \$2.75 per 100.

Named Double Early Tulips

Double Tulips are preferred by some for their massiveness of bloom and for their brilliant and striking colors. The blooms are much more lasting than the single kinds making them very popular for pots and pans. Care should be taken, however, when growing this way not to force too rapidly as the grandeur and lasting qualities of the blooms are lessened by excessive forcing.

For growing in beds and borders we suggest only one color; however, certain varieties blend well together and we are always glad to recommend good sorts for this purpose.

Note.—The figures after names of varieties indicate average height in inches to which they grow. Varieties most suitable for forcing are indicated by a star (*). The letter E indicates those that bloom earliest and L latest.

Gloria Solis. 10-E. Red bordered with gold	Doz.	100	
		\$0.65	\$4.75
*Imperator rubrorum. 10-L. Glowing scarlet. Very popular		.65	4.75
La Candeur. 10-L. Pure white; very fine bedder		.60	4.50
Duc von Thol. Scarlet		.65	4.50
*Murillo. Light pink; most popular forcer		.50	3.50
*Rubra maxima. 10-L. Splendid red		.60	4.00
Rex rubrorum. 8-L. Scarlet; splendid bedder, not early		.65	4.75
*Salvator Rosa. 10-E. Deep rose. Leading double for forcing		.60	4.00
Schoonoord. The white Murillo and the finest of all double white		.50	3.50
*Tournesol Yellow		.70	5.00

Johnson's Rainbow Mixture of Double Early Tulips

This mixture is made up of the most suitable varieties as regards color and height. Doz., 45c; 100, \$3.00.



Double Tulip Murillo.

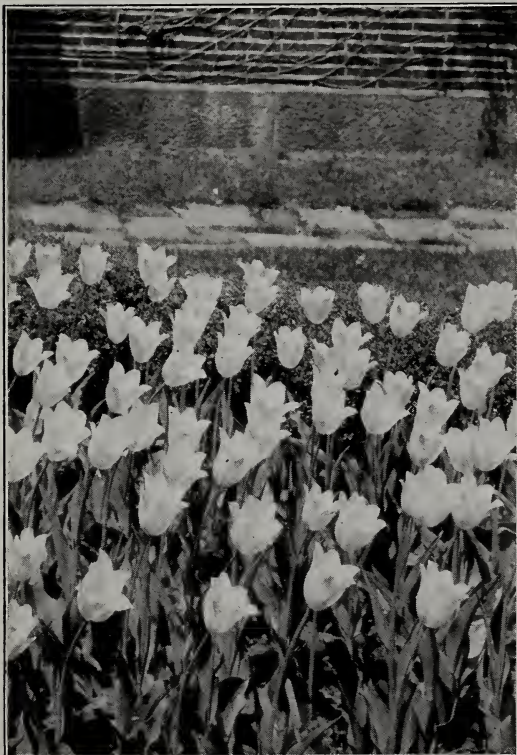
*Tournesol, Red and Yellow. 9-L. Rich, scarred with yellow edge	Doz.	100	
		\$0.70	\$5.00
Cochineal. 10-L. Rich, brilliant scarlet; the largest and one of the best double scarlets. When forcing this variety, as well as any other scarlet, care should be taken to have them come slowly, to avoid green tips		0.70	5.00
Couronne d'Or. (Crown of Gold.) 10-L. Large, bold flower of rich golden yellow, shaded copper. Excellent for bedding and Winter forcing		.60	4.00

Late Single-Flowering Tulips

Known as Cottage, or May-Flowering Tulips

This class, as well as the Darwin Tulips, is becoming very popular. They are very hardy and robust, flowers are large in size and very rich in coloring. The stems are long and wiry and the flowers are durable in a cut state. They are effective planted in clumps or borders, and may be grown in pots as recommended for other Tulips and brought in to succeed the earlier classes.

	Doz.	100	
*Bouton d'Or. 17-L. Fine showy bedder; excellent for cutting		\$0.50	\$3.75
Gesneriana spathulata. 24-L. Dazzling scarlet with blue base; enormous flower; popular bedder.		.60	4.50
Gesneriana lutea. 24-L. (The Yellow Gesneriana.) Color rich, flowers very large		.50	3.75
Inglescombe Pink. 24-L. (Salmon Queen.) Beautiful large egg-formed flowers of bright rose pink with a salmon sheen		.50	4.00
*Inglescombe Yellow. 18-L. A large, globular flower of perfect form; color full rich yellow		.50	3.75
Isabella. 15-L. (Blushing Bride; Shandon Bells.) Creamy white, shaded carmine rose and changing to dark pink		.50	3.75
Picotee. 20-L. (Maiden's Blush.) White margined rose pink; graceful, recurring petals; pink edges		.50	3.75
*Mrs. Moon. 24-L. Very deep yellow		.65	5.00
Single Late, May-flowering Mixed. A splendid mixture		.45	3.00
Bizarres. 20-L. Mixed; flowers beautifully blotched, striped and feathered with crimson, pink, scarlet, rose, lilac, and purple, on yellow		.65	4.75
Bybloems. 20-L. Mixed; on white ground, blotched, striped or feathered		.65	4.75



Picotee Tulips.

YOU WILL EVENTUALLY BUY "JOHNSON'S BULBS THAT PRODUCE"

Giant Darwin Tulips—May Flowering

These gorgeous new late or May-flowering Tulips are very stately and beautiful—producing immense flowers on tall, sturdy stems attaining a height of from 2 to 3 feet. The flowers are models of perfection in form, lasting, wax-like substance—and in a great variety of both dainty and richly brilliant colorings ranging from bluish through pinks, rose, salmon red, crimson, etc., to rich ox-blood reds, from lavender through mauve, light blue to violet, purple and black. The centers of many of them are beautifully marked. The Darwins also include two or three “near whites”—but clear yellows have not yet been produced. Therefore, where the latter color is desired selection should be made from the “Cottage” Tulips offered on page 7. The Darwin Tulips are exceedingly effective when grown in groups of a dozen or more bulbs of one variety in the garden or herbaceous border with a background of greenery which enhances their magnificence. The beauty, hardiness, and perpetuity of the Darwin Tulips is making them very popular. As cut flowers they are unsurpassable. The long-stemmed, bold, durable flowers have a dignity and character exclusively their own.

	Doz.	100
*Baronne de la Tonnaye. Vivid pink, bluish margin. Very lasting.....	\$0.60	\$4.00
*Bartigon. A magnificent variety, very large flowers of fiery crimson with a white base	1.00	7.50
*Clara Butt. Delicate salmon pink, perfect shape .....	.50	3.50
*Margaret. (Gretchen.) A distinct, very pretty Tulip; outside of flower bluish pink, inside rather deeper shade.....	.50	4.00
Dream. Large flower, perfect in form, on a tall, strong stem; color rosy lilac and mauve, with claret purple interior. A variety that combines well with lavender-colored varieties. Height 24 ins. ....	.70	5.00
*Edmee. (Beauty.) A beauty shade of cherry rose with a lighter border. On the order of Baronne de la Tonnaye, but stronger and brighter in color. Splendid border variety and good for late forcing. Height 25 inches .....	.70	5.00

	Doz.	100
*Gretchen. Silvery pale rose. Inside soft pink, marked blue	\$0.50	\$4.00
*La Tulipe Noire. (The Black Tulip.) The nearest in color to the so-called “Black Tulip.” Deep maroon black, which has a velvety sheen in the sunlight. Height 25 inches.....	.70	5.00
*Mr. Farncombe Sanders. Fiery, rosy scarlet with white center marked.....	.70	5.00
*Pride of Haarlem. Bright rose, suffused with purple. Enormous .....	.60	4.50
Rev. Ewbank. Heliotrope lilac with paler edge .....	.60	4.50
The Sultan. Glossy maroon black.....	.50	3.75
Johnson's Darwin Tulip Mixture. A grand mixture containing all shades and markings .....	.45	3.50

Parrot or Dragon Tulips

Their fringed and corrugated petals with their wonderful variation make these the most brilliant and the most curious of all Tulips. The flowers are thick-petaled with extra long stems, and keep extremely well after being cut.

	Doz.	100
Admiral de Constantinople. Red tipped orange	\$0.50	\$3.50
Lutea major. Bright yellow; large flowers. ....	.50	3.50
Perfecta. Yellow, striped red.....	.50	3.50
Couleur Cafe. Brown and yellow.....	.50	3.50
Cramoisie Brilliant. Deep crimson with large, black, star-shaped center.....	.60	4.00
Superfine Mixed .....	.45	3.25

Breeder Tulips

Old Dutch self-colored Tulips which have been neglected for many years; the present taste for artistic colors has, however, called them into prominence once more. Nature's happiest color combinations of purple and bronze, grey and lilac, yellow and bronze, brown and orange, are revealed to us in this group.

	Doz.	100
Cardinal Manning. (Kingscourt.) A curious blend of mauve and rose, pure orange at edges	\$0.60	\$4.50
Jaune d'Oeuf. (Sunrise.) Golden, outside petals shaded apricot .....	.60	4.50
Bronze Queen. Buff, tinged apricot ....	.70	5.25
Medea. Enormous flower, crushed Strawberry, shaded heliotrope, yellow center. ....	.60	4.50
Prince of Orange. (Sunset.) Terra cotta with orange edge .....	.75	5.50
Splendid Mixture .....	.50	3.50

Rembrandt Tulips

Late Flowering for the Open Ground

These late tulips are much like the Darwins but are striped and feathered, in this respect resembling the Byblooms formerly so much used. They are of fine form and substance, lasting well after cutting.

	Doz.	100
Rembrandt Mixed. Darwin tulips with striped or feathered flowers. Many pleasing shades and colors	\$0.60	\$4.00



Giant Darwin Tulips.

Narcissus or Daffodils

We offer only the most popular varieties for either pot or outdoor culture.

Culture.—Daffodils are not particular as to soil and will thrive for a number of years in ordinary soil. They are, with few exceptions, suitable for naturalizing and while preferring partial shade, will thrive in full sun exposure. They are very desirable for pot culture, three to five bulbs in a 5- or 6-inch pot producing an attractive group. By planting one or more varieties in succession, such a display may be enjoyed throughout the first three months of the year.

If wanted by Parcel Post, add postage as follows: Each, 2c or 20c per doz.



Narcissus Emperor.

Bicolor Trumpet Daffodils

The perianth white or light-colored, with yellow trumpet.

	Doz.	100
Empress. Very large and beautiful white perianth, rich yellow trumpet.		
First Size	\$0.60	\$4.00
Double-Crown Bulbs .....	.85	6.50
Princeps. Sulphur perianth and yellow trumpet; long and showy; early and forces finely.		
First Size .....	.50	3.50
Double-Crown Bulbs .....	.65	5.00
Victoria. Large, erect flowers; creamy white perianth and rich yellow trumpet; forces easily. The earliest of Bicolors.		
First Size .....	.70	5.00
Double-Crown Bulbs .....	.90	7.00

Incomparabilis

Sir Watkin. (Giant Chalice Flower.) A gigantic flower, the largest in this section; perianth sulphur yellow, cup slightly deeper in color and tinged with orange; fine for pot culture; in fact, does well everywhere.		
Large Bulbs. Double-Nose .....	.85	5.75
Beauty. Large yellow perianth, cup large with orange margin, showy and fine for cutting .....	.65	5.25

Yellow Trumpet Daffodils

Varieties with yellow or primrose trumpets and perianths (petals) of same or lighter shade, not white.

	Doz.	100
Olympia. One of the finest of the new Giant Trumpet varieties, a strong, free grower either in pots or out of doors, it might briefly be described as a greatly improved Emperor being much larger in size and richer in color. One of the coming Daffodils	\$1.75	\$12.50
Emperor. Large, rich yellow trumpet, primrose perianth; fine for cutting.		
First Size .....	.60	4.00
Double-Crown Bulbs .....	.85	6.50
Golden Spur. Native of the Netherlands. Large-lobed trumpets, rich, deep self-yellow, perianth large and spreading; early. Extra fine bulbs. Is freer and more reliable than Trumpet Major.		
First Size .....	.60	4.00
Double-Crown Bulbs .....	.85	6.00
King Alfred. Golden yellow perianth and trumpet, the latter of beautiful form with deeply frilled mouth, large bold flower, strong grower	1.20	8.50
Van Waveren's Giant. A famous Holland variety. A veritable "Giant" among the "trumpets" producing freely immense flowers on strong stems 18 inches in length; trumpet very large with open mouth flanged at the brim. Color rich yellow; perianth petals primrose yellow; height 18 inches	2.00	15.00

Poet's and Poetaz Narcissus

Poetaz Narcissus, a perfectly hardy strain of bunch-flowered Narcissus was obtained by crossing Poeticus and Polyanthus varieties.

This is the old-fashioned favorite type with white flowers, the cups margined with red and with rich, spicy odor. For indoor culture the King Edward VII and Ornatus are best. The Poetaz varieties are also of exceptional value for forcing.



Narcissus Poeticus Ornatus.

Poeticus. (Pheasant's Eye.) Pure white perianth, cup edged saffron	\$0.50	\$3.50
Poeticus Ornatus. A much improved form of the ordinary Poeticus, producing large flowers and appearing two weeks earlier; for this reason they are especially adapted for forcing and making a splendid cut flower.		
Large Bulbs .....	.50	3.50
Mammoth Bulbs .....	.60	4.00
Poetaz Aspasia. Perianth pure white, yellow eye, four or five large flowers.....	.70	5.00

Polyanthus Narcissus

A very decorative class of bulbous plants for greenhouse and window cultivation, but not hardy out of doors in our climate. They may be easily and quickly forced; our florists frequently have them in bloom by Thanksgiving.

Early Large-Flowering Paper White. The earliest, largest and most vigorous form of the Paper White; the best of all for very early forcing. Pure white.

Mammoth Bulbs, 75c per doz.; \$5.00 per 100; \$48.00 per 1,000.

Selected Bulbs. 60c per doz.; \$4.25 per 100; \$40.00 per 1,000.

Early Double Roman. White, with deep yellow cup; large flower trusses; excellent for early forcing. 50c per doz.; \$3.75 per 100; \$35.00 per 1,000.

Soleil d'Or. Yellow, with orange cup. An excellent forcing variety. \$1.50 per doz.; \$12.00 per 100.

Chinese Sacred Narcissi. (Joss Flower, or Flower of the Gods.) These are popular everywhere for growing in bowls of water and pebbles; flowers are white, orange-cupped and very fragrant. First size bulbs, 15c each; 3 for 40c.

Lily Bowls

For Narcissus, Sacred Lilies, etc., from 50c each up to \$5.00. Also clean, attractive pebbles at 15c per quart.

"Stim-U-Plant" Tablets

For Chinese Lilies, Paper Whites, Grand Soleil d'Or and all bulbs growing in water, dissolve one tablet in one gallon of water. As soon as roots start, add small quantities of this solution from time to time, to water in which bulbs are growing. (See page 14.)



Paper White Narcissus.

Jonquils

Narcissus, Jonquilla and Odorus

Jonquils are a small-flowering type of Narcissus and prized for their graceful, golden fragrant blossoms and the ease with which they may be grown. The single varieties may be flowered by Christmas. Very easily grown and should be planted in quantity for cutting for their exquisite fragrance. Five or more bulbs to a pot or pan will form a graceful house adornment. Doz. 100

Single Sweet-Scented. (Narcissus Jonquilla.) Rich, buttery yellow; not as large a flower as the others, but most fragrant and very free flowering... \$0.40 \$3.00

Campernelle. (Narcissus Odorus.) A grand variety, producing freely large yellow flowers, very sweetly scented; a strong grower, doing well in almost any position40 3.25

Campernelle Rugulosus. The largest and finest of all Jonquils; a handsome flower; color pure yellow; very fragrant50 3.50

Double Sweet Scented. Full double golden yellow; highly fragrant..... .50 3.50

Double Narcissus

Doz. 100

Alba plena odorata. (The Double Poet's Narcissus.) Large double white jasmine-scented flowers. Hardy \$0.50 \$3.50

Double Von Sion, or Golden Yellow Daffodil. A great flower for the garden and is forced in great quantities for cut flowers.

First Size65 4.50
Double-Crown85 6.50



Jonquil Campernelle.

Hardy Garden Lilies

Plant in pots that are about twice the diameter of the bulbs; start them slowly, and as they advance toward the blooming period shift them to larger pots, setting them likewise deeper in the soil. For outdoor culture, plant the bulbs about 8 inches below the surface in soil that is well drained. Good soil is generally recommended, and if manure is used, it must not come in contact with the bulb. Planting among shrubbery where they are somewhat protected from the sun is very favorable to their best development. Mulch the beds both Summer and Winter as a protection against extremes of heat and cold. Lilies and other bulbs marked with a star (*) will not be ready until the middle or latter part of October or November.

- Prices subject to change.
- *Auratum.** (Golden-Banded Lily.) One of the finest in existence. Ivory white, with central band of yellow and numerous purple spots; produces from 4 to 12 flowers or more on a stem 3 to 4 feet high. Each Doz.
Extra Large Bulbs\$0.40 \$4.00
- Candidum.** (Ascension Lily.) Ready in September. Snow white, bell-shaped, very fragrant flowers; an old garden favorite and also desirable for forcing. Very scarce. Each Doz. 100
Mammoth Bulbs\$0.25 \$2.50 \$18.00
- Harrisii.** (Bermuda Easter Lily.) Ready in August. Large, pure white, trumpet-shaped flowers. Used for indoor growing entirely. Each Doz.
7/9 in. circumference\$0.50 \$5.50
9/11 in. circumference95 10.00
- Longifolium formosum.** Grown on the Island of Formosa and said to be entirely free from disease; blooms early. Ready in September. Ask for prices.
- Longifolium giganteum.** Stems black; later than the preceding; flowers of more substance. Ready in September. Please ask for prices.



Lily-of-the-Valley.



Lilium Harrisii—Bermuda Easter Lily.

- | | Each | Doz. |
|--|--------|--------|
| *Speciosum album. Pure white, with green band in the center of each petal; very fragrant. | | |
| Extra Large Bulbs | \$0.40 | \$4.25 |
| *Speciosum Melpomene. Large, rich, blood crimson flowers heavily spotted. | | |
| Extra Large Bulbs | .40 | 4.25 |
| *Speciosum rubrum, or roseum. White shaded with deep rose and spotted red. | | |
| Extra Large Bulbs | .40 | 4.25 |
| *Tigrinum flore pleno. Double orange flowers, spotted black. | | |
| First Size Bulbs | .30 | 3.00 |
| *Tigrinum splendens. Rich scarlet, with dark spots. | | |
| First Size Bulbs | .25 | 2.50 |

Calla Lilies

One of the most satisfactory and easy-growing bulbs for pot culture and forcing. They require rich soil and abundant moisture during their flowering season. After their flowering season is past, allow them to dry off and remain dormant part of the year.

Aethiopica. (Lily of the Nile.) The old favorite Calla Lily. Each Doz. 100
Mammoth Bulbs\$0.35 \$3.50 \$25.00

Lily-of-the-Valley

For forcing, plant twelve pips in a 6-inch pot, keeping the crowns above the soil; place in a temperature of about 80 degrees, covering the pots with moss; keep them moist continually. They should flower three to four weeks from the time of planting. For the garden, plant the single pips 4 inches apart; they will increase rapidly and form one mass, blooming profusely every Spring.

Strong pips, bundle of 25 pips, \$2.00; \$7.00 per 100.

Other Lilies

- | | Each | Doz. | 100 |
|---|--------|---------|---------|
| Myriophyllum. (Regale.) The most wonderful lily of recent introduction. Perfectly hardy and a splendid grower | \$1.00 | \$10.00 | \$75.00 |
| Canadense. (Native Canadian Lily.) Flowers bright yellow with small black spots, excellent for naturalizing in hardy borders or woods. | | | |
| Height, 2 feet | .12 | 1.25 | 9.00 |

Giant Freesias

Very desirable for pot culture. Early planted bulbs (six to eight in a 4-inch pot) may be flowered by New Year's Day. Give plenty of water when well established.

<i>Refracta alba</i> . Pure white flowers, with yellow - blotched throat; very sweet.	Each	Doz.	100	1000
Mammoth Bulbs	\$0.03	\$0.30	\$2.00	\$18.00
First Size Bulbs .....	.02	.15	1.25	10.00

Purity. A pure white-flowered variety of large size.

Mammoth Bulbs .....	.04	.40	2.75	25.00
First Size Bulbs .....	.03	.30	2.00	15.00

New Colored Freesias

Johnson's Rainbow Mixture

These beautiful novelties are rapidly winning favor on account of their lovely and unique colorings, their delicate fragrance and free-blooming qualities. Their culture is the same as other Freesias. Mixed colors only, doz., \$1.00; 100, \$7.00.

Special Note

Our Government has deemed it best to place an embargo on the following list of miscellaneous bulbs usually imported from Holland. If this restriction is lifted before bulb shipments are ready to leave Holland we will have our usual supply.

<i>Calochortus</i>	<i>Leucojum</i>	<i>Ornithogalum</i>
<i>Colchicum</i>	<i>English Iris</i>	<i>Campanulata</i>
<i>Gloxinias</i>	<i>Chabiana</i>	<i>New Dutch Iris</i>
<i>Brodiaea Coccinea</i>	<i>Chionodoxa</i>	<i>Alliums</i>
<i>Scillas</i>	<i>Fritillaria</i>	<i>Begonias</i>
<i>Snowdrops</i>	<i>Grape Hyacinths</i>	<i>Spiraeas</i>



Freesia Refracta Alba.

Miscellaneous Bulbs and Roots

Amaryllis

Formosissima. (Jacobean Lily). Brilliant carmine flowers. Each, 20c; doz., \$2.00.

Johnsonii. Very large flowers of a rich crimson scarlet color, striped with white. 35c each; \$3.50 per doz.

Anemone

Fulgens. (Windflower.) Rich, dazzling scarlet; fine for cutting. Each, 5c; doz., 50c; \$3.00 per 100.

St. Brigid. A new and greatly improved race of Irish production, bearing magnificent flowers, double, semi-double and single 3 to 5 inches across and of the richest as well as the daintiest colors, markings, blendings, all having a distinct dark base. They have long stems, very graceful for vases. Per doz., 50c; per 100, \$3.00.

Bleeding Heart

Dicentra spectabilis (Dielytra). (Bleeding Heart, or Lyre Flower.) Ready in November. A beautiful plant for the border and elegant as a pot plant for the house. An old favorite, ever delightful, with sprays of beautiful pink and white flowers, heart-shaped. Each, 30c; doz., \$3.00.

Ranunculus (Buttercup)

Nothing produces brighter or more gorgeous effect in June and July than beds of *Ranunculus*; the flowers are all good for cutting, and the culture is very simple. They thrive in any ordinary garden soil but should have protection in spring from the late frosts and sharp winds. Plant outside latter end of March or early April, as soon as frost is out of the ground, or earlier in hot bed if desired for early cutting. Plant in November for early spring bloom in frames. Set the tubers 3 or 4 inches apart, pressing them firmly into the soil, claws downwards, and cover them with sand, then with soil; keep the crown of the tuber two inches under the surface. During dry weather the plants should be given abundance of water.

Johnson's Finest Mixed	Doz.	100
	\$0.50	\$3.50

Oxalis

Valuable for Winter flowering; elegant for pots and baskets.

Bermuda Buttercup. Very good for Winter flowering, being free and continuous; pure bright yellow flower. Doz., 35c; 100, \$2.50.

Bowellii. Brilliant carmine rose. Doz., 35c; 100, \$2.50.
Grand Duchess. (Lavender, White or Pink.) Flowers are large, often measuring 3 inches in diameter. Doz., 35c; 100, \$2.50.

Gladioli

These beautiful, early-flowering and dwarf forms of *Gladioli* are admirable for forcing for cut flowers and also elegant plants in pans for decorative work. They are very floriferous, strong bulbs, producing three or four flower spikes. They can be planted outdoors quite early and will bloom abundantly from July to September. Doz. 100

Blushing Bride. Light, almost white, crimson blotch. \$10.00 per 1,000.....\$0.85 \$6.00

Peach Blossom. Lovely and well named.

Early. \$12.00 per 1,00085 6.00

Queen of Holland. Pure white, with distinct carmine blotch; very free85 6.00

Choice Named Peonies

We do not attempt to list all varieties, but only those of real merit and such that have proven satisfactory.

Festiva maxima. (King of Peonies.) Immense white cone with carmine-flaked center. Each, 75c.

L'Esperance. Deep rose, with crinkly white tips; extra large and fine, very early. Each, 65c.

Duke of Wellington. Superb, conical heads; creamy white changing to pure white. Each, 65c.

Dorchester. Extra late and fine; clear pink. Each, 70c.

Paeonia Officinalis

The old-fashioned garden Peony. Blooms nearly two weeks earlier than other varieties.

	Each	Doz.
Double White	\$0.50	\$5.50
Double Scarlet .....	.50	5.50
Double Pink .....	.50	5.50

Spanish Iris

This well known class with flowers of quaintly distinctive form and richly varied coloring takes its name from the Greek word for rainbow. The more easily cultivated forms are distinguished by their long slender leaves and beautifully variegated blossoms with six parted perianth, the three outer petals reflexed and the three inner usually smaller and erect.

Iris bulbs should be planted in rich, moist soil, and do better if protected by litter in winter. Set the bulbs in clumps two inches apart each way and three inches deep. Every third or fourth year they should be taken up and reset.

	Doz.	100
Belle Chimoise. Golden yellow; earliest of all	\$0.75	\$6.00
Flora. New. Standards very light lavender, falls white; immense and attractive flowers .....	.75	6.00
Cajanus. Canary yellow with orange yellow blotches on the falls .....	.75	6.00
King of the Blues. (Count of Nassau.) Fine deep purplish blue .....	.75	6.00
King of the Whites. Pure white with small orange blotch on the falls .....	.75	6.00
Queen Wilhelmina. Very beautiful white with small yellow blotch on the falls .....	.75	6.00
Heavenly Blue. Clear blue, extra large flowers, very early ..	.75	6.00
Snowball. White slightly tinted lilac .....	.75	6.00
Surbitan. Dark yellow, very fine .....	.75	6.00
Superfine Mixture .....	.75	6.00

Iris Tingitana

A beautiful light blue. Especially suitable for growing in pots in a cold frame or greenhouse. Can be blooming in December. Doz., \$1.75; 100, \$10.00.



Spanish Iris.

Tritoma Flame Flower, or Torch Lily

Pfitzeri. We feel fortunate in again being able to offer this everblooming Tritoma in quantity, there having been practically no stock available last spring. We offer the true type in strong divisions

Each Doz. \$0.25 \$2.50

Flower Seeds for Bedding and Greenhouse Culture

ANTIRRHINUM (Snapdragon)	Pkt.
Nelrose. Pink	\$0.50
Silver Pink .....	.50
Dwarf Large-flowering Scarlet, White Rose .....	.10
Dwarf Large-flowering Mixed .....	.10
Tall Large-flowering Scarlet, White Rose .....	.10
Tall Large-flowering Mixed .....	.10
ASPARAGUS	100 Seeds
Plumosus nanus. Greenhouse grown	\$1.00
Sprengeri .....	.50
BEGONIA, Semperflorens	Pkt.
Arfordia. Rosy carmine	\$0.25
Gracilis rosea. Rose .....	.15
Gracilis luminosa. Fiery red .....	.25
Vernon. Orange carmine .....	.10
CALENDULA	Oz., 25c
Prince of Orange .....	.05
Orange King .....	.05
Finest Double Mixed .....	.05
CINERARIA	Oz., 25c
Hybrida Grandiflora. (Imported.) .....	.30
COLEUS	Oz., 25c
Fine Hybrids. Mixed .....	.25
CALCEOLARIA	Oz., 25c
Giant Superb. Mixed .....	.25
COBAEA SCANDENS	Oz., 25c
Mixed .....	.10
CYCLAMEN GIGANTEUM	Oz., 25c
Giant Mixed. (Imported.) .....	.25
Cyclamen Persicum .....	.15
DELPHINIUM	Oz., 25c
Gold Medal Hybrids. (Imported.) .....	.15
Belladonna .....	.10
Formosum. Blue. 2½ feet .....	.10

GLOXINIA	Pkt.
Grandiflora. Mixed	\$0.25
HELIOTROPE	Pkt.
Giant Hybrids .....	.15
MIGNONETTE	Pkt.
Allen's Defiance .....	.10
Bismarck .....	.10
MYOSOTIS (Forget-me-not)	Pkt.
Alpestris Royal Blue. Rich indigo blue .....	.10
Alpestris robusta grandiflora. Blue, large-flowering .....	.10
Alpestris Victoria. Blue; very fine .....	.10
Alpestris Mixed. Various colors .....	.10
Dissitiflora. Clear blue. Early flowering .....	.10
PRIMULA (Chinese Primrose)	Pkt.
Chinensis fimbriata. White, crimson, blue, or mixed .....	.25
Obconica grandiflora. Mixed .....	.25
Obconica gigantea. Mixed .....	.50
Malacoides. White or Lilac .....	.25

STOCKS, Ten Weeks	Pkt.
Dwarf Large-flowering White, Bright Red, Canary, Yellow, Rose, Light Blue, Violet, or Carmine .....	.15
Mixed .....	.10

JOHNSON'S SUPERB PANSY SEED	Pkt.
Johnson's Enormous Mixed. The richest and finest mixture obtainable .....	.50
Johnson's Universal Mixed. Very complete .....	.50
Masterpiece. Mixed .....	.25
Trimardeau Giant. Mixed .....	.25
Johnson's Special Large-flowered. Mixed .....	.10

Johnson's Top Notch Sweet Peas

WINTER-BLOOMING ORCHID-FLOWERED FORCING VARIETIES

Invaluable for growing under glass. They bloom in about three months from time of sowing.

Early Asta Ohn. Identical in color and size of blossom to the well known late-flowering Asta Ohn. A very popular lavender. Pkt., 25c; ½ oz., 75c; oz., \$1.25.

Early Pink and White. Identical in color to the popular late-blooming pink and white variety. Pkt., 25c; ½ oz., 75c; oz., \$1.25.

Early Cream. Identical in color to the splendid cream. Late-flowering variety. Pkt., 25c; ½ oz., 75c; oz., \$1.25.

Early Heatherbell. A beautiful shade of rich lavender mauve. Pkt., 25c; ½ oz., 75c; oz., \$1.25.

Early Liberty. Giant crimson. Pkt., 25c; ½ oz., \$1.00; oz., \$1.50.

Early Rose Queen. A very popular shade of rose pink. Pkt., 25c; ½ oz., \$1.50; oz., \$2.50.

Early Songster. Giant early lavender. Pkt., 25c; ½ oz., 75c; oz., \$1.25.

Early Snowflake. One of the best white varieties. Pkt., 25c; ½ oz., \$1.00; oz., \$1.50.

Early Songbird. A pale pink variety, similar in color to the late-flowering Florence Morse Spencer. Pkt., 25c; ½ oz., 75c; oz., \$1.25.

Early Helen Lewis. A fine shade of salmon pink. Pkt., 25c; ½ oz., \$1.00; oz., \$1.50.

Mrs. A. A. Skatch. A clear light pink. Pkt., 25c; ½ oz., 75c; oz., \$1.25.

Early Melody. Beautiful shade of soft rose pink. Pkt., 25c; ½ oz., 75c; oz., \$1.25.

Early Hercules. Identical in color and size of blossom to the late-flowering Hercules which is considered a glorified Countess Spencer. One of the finest bright pinks. Pkt., 25c; ½ oz., \$1.00; oz., \$1.50.

Early Morning Star. A beautiful shade of orange scarlet. Pkt., 25c; ½ oz., \$1.00; oz., \$1.50.

Early Mrs. Spanolin. The finest black-seeded white variety. Pkt., 25c; ½ oz., \$1.00; oz., \$1.50.

Early Venus. Similar in color to Dainty Spencer in the late-flowering variety. Standard white, slightly flushed pink wings. Pkt., 25c; ½ oz., 75c; oz., \$1.25.

Early Wedgwood. Same in color and size of blossom as the late-flowering Wedgwood and a magnificent clear blue. Pkt., 25c; ½ oz., \$1.00; oz., \$1.50.

Early White Orchid. A pure white. The flowers are of splendid substance. Pkt., 25c; ½ oz., 75c; oz., \$1.25.

Early Yarrowa. This beautiful variety has found a ready sale. The foliage is very heavy and the growth robust, sometimes reaching the height of 12 feet. The flowers are large and of a bright rose pink color. Pkt., 20c; ½ oz., 60c; oz., \$1.00.

SWEET PEAS, Christmas-flowering Grandiflora Varieties

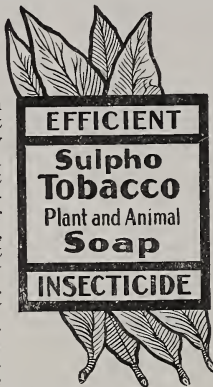
	Pkt.	Oz.	¼ Lb.
Earliest of All. Blush and white ..	\$0.10	\$0.15	\$0.35
Christmas Pink .....	.10	.15	.35
Christmas White .....	.10	.15	.35

Fertilizers, Insect Destroyers, Etc.

Sulpho-Tobacco Soap

Can be Sent by Parcel Post

Destroys Cabbage, Squash and Potato bugs, Currant worms, lice, green fly, mealy bug, red spider, etc. Sure death to all animal pests and plant insects indoors and out-of-doors. Of special value for spraying shrubs, fruit trees, and vines. Produces luxuriant Roses if bushes are liberally sprayed before blooming time. Acts quickly and effectively and at the same time it is a fertilizer. 3-oz. cake makes 1½ gallons of prepared solution. 15c each, postpaid. 8-oz. cake makes 4 gallons of prepared solution, 35c each, postpaid.



STIM-U-PLANT

PLANT STIMULANT TABLET

Trade Mark Registered U. S. Patent Office

Can be Sent by Parcel Post

The most modern, efficient, and scientific method of fertilizing growing plants. Stim-U-plant Tablets are designed for use by all who grow plants—home gardeners, market gardeners, small fruit growers, fruit growers, florists, and farmers. Their most valuable use is in feeding the growing plants. Being composed of water soluble materials of great feeding power and of known weight and percentage of plant food. Stim-U-Plant Tablets are packed in five sizes. Trial size, 15c; small size, 30c; 100 tablets, 85c; 500 tablets, \$2.25; 1000 tablets, \$4.00; each size, postpaid.



Red Wing Insect Powder

Can be Sent by Parcel Post

For the destruction of chicken lice, roaches, fleas, bed bugs, ants, cock-

roaches, flies, etc. As a matter of fact, it will destroy all leaf eating insects that infect the garden and house plant. Harmless to man and all animals. Put up in four sizes: 15c size, 30c size, 60c size, \$1.10 size, each, postpaid.

Carbola

Whitewash it; disinfect it. A paint in powder form. Contains a disinfectant many times stronger than carbolic acid. Ready to use as soon as mixed with cold water. Applied with brush or sprayer. Dries white. Does not clog sprayer. Will not blister, flake, or peel off like whitewash. Trial package, 35c; 10-lb. pkg., \$1.25; 50-lb. bag, \$5.00.

Rat Corn

Can Be Sent by Parcel Post

Will exterminate rats, mice, moles, and gophers from your premises in a safe, sane, and sanitary manner. It mummifies them. No matter where they die they simply dry up. Positively do not leave any odor. It will kill rats and mice without any bad, dangerous or disagreeable effects. Sold in four sizes, 25c, 50c, and \$1.00 each, postpaid. By express, not prepaid, 5-lb. pail, \$5.00.

RAT CORN



YOUR PLANTING'S SUCCESS

THROUGH THE USE OF

STIM-U-PLANT

PLANT STIMULANT TABLET



BEFORE



AFTER

Trade Mark Registered U. S. Patent Office

THE MOST MODERN, EFFICIENT AND SCIENTIFIC METHOD OF FERTILIZING GROWING PLANTS

As every kind of plant grows in the garden, orchard and farm, feed it along with Stim-U-planT tablets. These tablets contain highly-concentrated, immediately-available forms of plant food for use in stimulating fruit, flower, vegetable and ornamental plants, and may be used in liquid or tablet form.

Plant success is a matter of feeding crops definite amounts of stimulating foods as plants need them. Stim-U-planT tablets enable the planter to keep development absolutely under control, for he can feed his plants as they need food. They increase production, hasten maturity, improve quality and better the color of the plants and products. Their use is highly profitable, for all these benefits cost only a fraction of a cent for each application.

Stim-U-planT is the richest plant food on the market and must not be confounded with the ordinary plant foods now offered to planters. The very highest grade commercial fertilizers are very low in fertility compared with Stim-U-planT. The better grades of commercial fertilizers do not contain more than 3 to 5 per cent. of Nitrogen, 6 to 10 per cent. Phosphoric Acid and 3 to 5 per cent. Potash; Stim-U-planT contains a guaranteed analysis of 11 per cent. Nitrogen, 12 per cent Phosphoric Acid, and 15 per cent. of Potash. The fertilizer ingredients in commercial fertilizer are for the most part in a relatively slow acting form, while in Stim-U-planT they are water soluble, which causes them to become immediately available to the plants.

Stim-U-planT tablets are designed for use by all who grow plants—home gardeners, market gardeners, small-fruit growers, fruit growers, florists and farmers. Their most valuable use is in feeding the growing plants. Being composed of water soluble materials of great feeding power and of known weight and percentage of plant food, Stim-U-planT tablets can be used directly to the soil at the base of the plants to feed them definite amounts of available food. Once in the soil they immediately dissolve and mingle with the soil water, pass into the root-hairs and roots to begin feeding the plants. No matter how fertile the soil may be Stim-U-planT is effective in feeding the crops because of its rich, available food content.

NO PLANTS CAN SLACK AS STIM-U-PLANT ACTS

Stim-U-planT tablets are packed in four sizes.

TRIAL SIZE
15 Cents

SMALL SIZE
25 Cents

100 TABLETS
75 Cents

1,000 TABLETS
\$3.50

MANUFACTURED EXCLUSIVELY BY
EARP-THOMAS CULTURES CORPORATION
80 LAFAYETTE STREET, NEW YORK

FOR SALE BY
JOHNSON'S SEED STORE

"Everything for the Garden"

2158 East Ninth Street

CLEVELAND, OHIO

PLANT FOOD IN TABLET FORM

(OVER)

Directions for Using Stim-U-planT

In using plant foods of any description it is necessary to employ the utmost judgment in their application. The more concentrated the food the more carefully it must be applied, Stim-U-planT tablets are the most concentrated form of plant food on the market, and should be used according to the explicit directions given below.

Over-feeding must always be guarded against. Because plants will grow rapidly and thrive admirably when fed the proper amount of available foods, it does not follow that over-feeding will cause more rapid development. Too heavy feeding may cause a slackening in growth or even destruction of the plants. Plant development is always tardy when the food in the soil is in an unavailable condition. Plants do not take their food into the tissues in the form of minute particles of fertilizing ingredients, but only in water soluble form. The food in Stim-U-planT tablets is water soluble and therefore immediately available.

In the use of Stim-U-planT tablets, as in the application of all forms of high grade fertilizers, bear in mind that small plants, and those in a relatively inactive state of growth, can make use of only a small amount of plant food. The larger the plants, and the stronger the growth, the more capable are the plants for utilizing large amounts of foods. The quantity of Stim-U-planT to use as an application, and the frequency of application is contingent on the condition of the plants themselves.

HOW THE RICHEST PLANT FOOD ON THE MARKET IS USED



CALENDER 1912 DECEMBER 1912												
			2	3	4	5						
6	7	8	9	10		12						
13	14	15	16	17	18	19						
20		22	23	24	25	26						
27	28	29	30			4						

Fig. 1, Represents a quartered, halved and whole tablet reduced to three-quarter size. Each tablet contains 26 grains with guaranteed analysis of 11% nitrogen, 12% phosphoric acid and 15% potash. Fig. 2, When used in liquid form dissolve four tablets in one gallon of water. Fig. 3, When used in tablet form drop part or whole tablet into hole made by dibble and cover with soil; **in liquid form use directly on soil; do not touch foliage or stems.** Fig. 4, Use Stim-U-planT tablets every ten days or as plants require.



Fig. 5, For pot plants, place from $\frac{1}{4}$ to 1 tablet to each plant according to size of pot, or use as directed in Fig. 2. As a mild stimulant dissolve 1 tablet in the water used on the plants once or twice a week. Fig. 6, On greenhouse, hotbed and cold-frame plants use a tablet or a portion of one to each plant or place one every foot apart each way in the plant bed. Fig. 7, For garden crops grown in drills, use 1 tablet to each foot of row. Fig. 8, On plants grown in hills use 1 tablet to each hill.



Fig. 9, For flower beds and borders use 1 tablet to every square foot of surface through the bed. Fig. 10, On bush or small fruits use 3 to 5 tablets at each application. Fig. 11, For fruit and ornamental trees place a tablet every one to two feet apart each way, using them in a radius from the trunk to a foot beyond the outer overhanging branches. Fig. 12, In shrubby plantings, insert 1 tablet to each square foot of planted surface or apply 3 to 5 to each plant.

To Increase Production Use Stim-U-planT

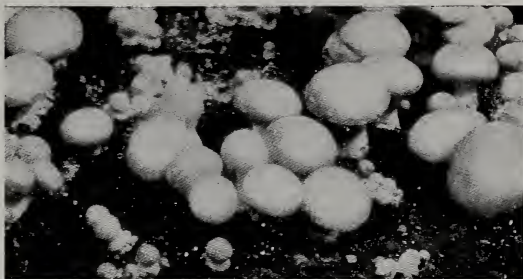
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Mushroom Spawn

HAVE FRESH MUSHROOMS ON YOUR TABLE
EVERY DAY

The ease and certainty with which a crop of Mushrooms can be grown to perfection in an ordinary house cellar, woodshed or barn, and the astonishing success of so many who have taken up this new industry, both for profit and their own use, induces us to call especial attention to the subject. The great luxury of Mushrooms can be enjoyed by all at a trifling expenditure of money, time, and labor. We recommend our Pure Culture Mushroom Spawn as generally better both for the market garden and the private planter. Directions for culture sent on application. Ten bricks will plant 100 square feet.

Pure Culture. (In Bricks.) The finest quality. This is vastly more dependable than the old style of English Milltrack Spawn and costs but little more. **Brick of about 1½ lbs., 35c each; 10 bricks, \$3.00.** Ask for prices for large lots. Free leaflet on Mushroom Culture on request.



BOOK ON MUSHROOMS

This contains very complete yet easily understood directions for growing Mushrooms from Pure Culture Spawn. It is a practical book for the amateur as well as the experienced grower. Illustrated. Paper. Price, 35c.

Garden Roots for Fall Planting

Asparagus Roots

We offer strong, two-year-old roots of the following varieties:

Columbian Mammoth White, Argenteuil, Palmetto and Conover's Colossal.

Any of the above Asparagus, doz., 30c; 100, \$1.75; 500, \$6.00; 1,000, \$10.50.

Cultural Notes on Asparagus free on application.

Garlic Roots

This is extensively used in many places for flavoring soups, stews, etc. Cultivate like Onions. ¼ lb., 30c; lb., \$1.00.

Horse Radish

"Maliner-Kren." This new variety from Bohemia is larger, earlier, and whiter than the common kind. We highly recommend it. Choice sets, 6 for 15c; 25c per doz.; 50 for 75c; \$1.25 per 100.

Common Variety. Very choice sets grown by an expert. 15c per doz.; \$1.00 per 100.

Rhubarb Roots

We do not handle the heavy, awkward, divided roots, but fine shapely seedlings. We have a fine stock, which we offer as follows: 20c each; \$2.00 per doz.

Johnson's High Grade Farm Seeds

PRICES ON CLOVER SEED ARE SUBJECT TO MARKET CHANGES. WRITE FOR SPECIAL PRICES
WHEN READY TO BUY

Dwarf Essex Rape

For late Summer and Fall pasture Dwarf Essex Rape is most valuable. It is usually planted in July, August or early September and makes good pasture in about six weeks. It is frequently sown in Corn or Potatoes after last cultivation. 20c per lb. Sow broadcast 4 or 5 lbs. per acre.

Sand or Winter Vetch

Produces good crops on poor, sandy soil, but more vigorous on good land. Grows 4 to 5 feet high. Recommended for seeding with Fall Rye for Winter and Spring pasturage; hardy throughout United States. Stays green all Winter. Earliest for cutting and a full crop may be taken off or plowed under before planting the Spring crops. Sow 30 lbs. per acre in August or September. Lb., 20c; 3 lbs., 50c, postpaid. By freight or express, not prepaid, 10 lbs., \$2.00; 50 lbs., \$9.50. Subject to market changes.

Winter Wheat and Winter Rye

We can supply seed of all the leading varieties, such as Red Rock, Red Wave, American Banner, etc., also Mammoth Michigan and the Famous Rosen Winter Rye. Lowest prices on application.

Timothy

As a crop to cut for hay, Timothy is probably surpassed by no other grass now cultivated. If sown alone it requires 8 to 12 lbs. per acre. It is usually sown with other grasses about one-half to one-third of the above amount. Can be sown in either Fall or Spring. Timothy seed is one of our specialties.

Clovers—Highest Grades Only

Prices Vary. Special Quotations on Application.

Medium Red. This is considered the most valuable of all the Clovers and is known to every farmer. It may be sown either in the Spring or Fall and if no other grasses are used, at the rate of 8 to 12 lbs. per acre. We are in position to supply the finest quality seed that the market affords.

Alsike. (*Trifolium hybridum*.) Unequalled for hay and we cannot too strongly recommend it to our customers. The hay is finer and better than any other, therefore, of special value for sowing with Timothy. Sow 15 lbs. per acre.

Alfalfa, or Lucerne. (*Medicago Sativa*.) We procure our American Alfalfa seed from the states of Kansas, Nebraska, and South Dakota, so that they are suitable for any section of the country. Actual tests of seed from all over the United States show that the stocks produced in the semi-arid districts of the states named give the best results and are harder than stocks grown farther south or by irrigation in the west. Sow 20 lbs. per acre.

Bokhara. (*Melilotus alba*.) (White Blossom Sweet Clover.) Very valuable for soiling. Splendid inoculator for Alfalfa. Grows to a height of 3½ to 5 feet. Good for ensilage and bees. Will last two years if cut before it blooms. Sow 10 to 15 lbs. per acre.

Timothy and Alsike Clover Mixture. This mixture contains the best grades and consists of one-fourth to one-third of Alsike and the balance Timothy, which is the proper proportions to produce the best results. 10 lbs. to the acre.

CYCLONE SEED SOWERS

The best and most practical broadcast sower on the market. Each, \$3.25, postpaid.

Johnson's High Grade Lawn Seed



Johnson's Reliable

The Best for General Purposes.

Our Reliable Lawn Grass Seed is the cleanest, heaviest, cheapest and best, because it is made up of Extra Recleaned Seeds of the finest varieties of grasses, each of which has its season of beauty and the result is the production of a sod that is always evergreen and velvety. Many of the finest lawns of our city are seeded with **Johnson's Reliable Lawn Grass**, the preparation of which is a specialty with us. Less seed of Johnson's Reliable is required than of any other brand. Hence it is economical in the end. 1 lb. will sow 400 square feet. **Lb., 40c; 5 lbs., \$1.75; 10 lbs., \$3.25; 20 lbs. (1 bu.), \$6.00.**

Johnson's "Shady Spot"

This is a very high grade mixture of grasses which naturally grow in shady spots. Before sowing in such places, it is well to rake off the surface thoroughly and then apply air slaked lime at the rate of one bushel to every 1,000 square feet. Use one pound of seed for every 300 square feet. **Lb., 45c; 5 lbs., \$2.00; 10 lbs., \$3.50; 20 lbs. (1 bu.), \$7.00.**

Johnson's Quick Growth

A special mixture of seeds which is especially useful where for some reason or other the seed cannot be sown in early spring. Our Quick Growth mixture will cover the ground like magic, but later on produce a permanent and beautiful sod. **Lb., 35c; 5 lbs., \$1.50.**

Golf Links Mixture

Made up from varieties of grasses perfectly adapted to rough usage. Will produce a beautiful, thick, tough lawn in a short time, and will maintain its appearance better than others in spite of wear and dry weather. For Golf Links this mixture is equal if not superior to many Golf Link grasses now in use. **Lb., 55c; 5 lbs., \$2.25; 10 lbs., \$4.00; bu. (20 lbs.), \$8.00.**

Grass Seed Mixture for Terraces

A mixture of strong, deep-rooted grasses for banks or terraces. Although the grasses are strong and deep rooted, they will produce a fine green velvety surface and also prevent washing away during heavy rains. **Lb., 60c; 5 lbs., \$2.50; 10 lbs., \$4.50.**

High Grade Fertilizers

Ground Bone Fertilizer

Stable dressing is unpleasant to handle and always contains more or less weed seeds. There are no weed seeds in this fertilizer. It will impart to your lawn that much desired dark green and velvety appearance. Should be applied as a top dressing either in spring or fall. 2 lbs., 15c; 10 lbs., 65c; 25 lbs., \$1.25; 100 lbs., \$4.00; 200 lbs., \$7.00; 500 lbs., \$18.50; 1,000 lbs., \$35.00; ton, \$65.00.

Garden and Lawn Fertilizer

25-lb. bag for 2,500 square feet of lawn or 1,200 square feet of garden, \$1.50; 50-lb. bag for 5,000 square feet of lawn, or 2,500 square feet of garden, \$2.75; 100-lb. bag for one-fourth acre of lawn, or one-eighth acre of garden, \$4.00.

Sheep Manure

For garden, lawn or greenhouse use nothing surpasses Sheep Manure; it is clean and easily handled, besides giving immediate results. Use 1,000 lbs. per acre. 2 lbs., 15c; 5 lbs., 30c; 10 lbs., 50c; 25 lbs., \$1.10; 50 lbs., \$2.00; 100 lbs., \$3.50; 500 lbs., \$15.00.

Agricultural Hydrated Lime

It supplies the element calcium to plants; it makes "sour soil sweet," changes an acid condition to a slightly alkaline one; it has the power to shrink clay and adobe soils, making a larger number of crumbs from a sticky mass; it prevents packing, baking and cracking, makes cultivating easier; it promotes the normal decay of organic matter in the soil, preventing the accumulation of poisonous matter; it promotes the change of nitrogen in organic matter into available nitrates, liberates and places at the disposal of plants potash and phosphoric acid already in the soil. It destroys fungus and the germs of insect life that infest the soil. Hydrated Lime, because of its fineness, high calcium contents and concentrated condition, is the ideal agricultural lime and the most economical on the market. Use one-half less than other forms of lime. In sacks weighing 50 lbs. (per sack, \$1.00). Delivered anywhere in the city. Write for prices in ton lots.

Beware of Stable Manure. It will fill your lawn with weeds and cause you many times the cost of a good commercial fertilizer such as Sheep Manure or Bone Dust.

Nitrate of Soda. **Lb., 15c; 5 lbs., 60c; 10 lbs., \$1.10; 25 lbs., \$2.50; 50 lbs., \$4.50; 100 lbs., \$8.00.**

JOHNSON'S SEED STORE Cleveland, Ohio

2158 East Ninth St., Near Prospect. Bell Phone, Ontario 911—Ohio State, Central 3276